

# NASA TECH BRIEF

## *Marshall Space Flight Center*



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### **Marshall Information Retrieval and Display System (MIRADS)**

#### **The problem:**

A data management system was needed that would allow sophisticated inquiries while utilizing a simplified language.

#### **The solution:**

A computer program was developed to meet this need: the Marshall Information Retrieval and Display System (MIRADS). This is an online system which is composed of several programs.

#### **How it's done:**

These programs are grouped together to form two subsystems: Search and Retrieval (S & R) and Direct-Access Data Display (DADDS). The S & R subsystem provides the user with the capability to select and process variable data without extensive searches. The system searches specified data files, sorts the files into a specified order, performs simple or complex computations, prints or displays the results, and updates the data base. The DADDS subsystem provides the capability to access data files, process data, and present results as

specified by the user commands and specified output formats.

#### **Notes:**

1. This system was written for the UNIVAC 1108 using DCT-500 or Uniscope 300. The system is written primarily in COBOL (66.7%) with routines in ASSEMBLER (22.5%) and FORTRAN V (10.8%).
2. Inquiries concerning this program should be directed to:

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